## MATERIAL SAFETY DATA SHEET

SECTION I Manufacturer's Name			7 7 4	
DIFCO LABORATORIES, INC.				Telephone Number
Address (Number, Street, City, State, and Zip Code) P.O. BOX 1058	Chemical Na and Synonym		(313)	961-0800
	Trade Name and Synonym	18		
DETROIT MICHIGAN 48232		GRAM TOUTNE 3331		
	Chemical Family	Formula		
SECTION II - HAZARDOUS INGREDIENT	S		603.02	
Paints, Preservatives, and Solvents	% TLV (Units)	Alloys and Metallic Coatings	%	TLV (Units)
Pigments		Base Metal		
Catalyst	N/A			N/A
Catalysi		Alloys		
Vehicle	N/A	Metallic Coatings		N/A
Vehicle	N/A	The second secon	the state	N / A
Solvents	- I WA	Filler Metal Plus	3.70	N/A
	N/A	Coating or Core Flux		N/A
Additives		Others		N/A
	N/A			in the
Others	The second secon	100 100 100 100 100 100 100 100 100 100		
Hazardous Mixtures of Other Liquids, Sol	lde or Coope			
The Liquids, 301	ius of Gases		%	TLV (Units)
lodine (as 100x)	160		36 4	0.1 ppm
			17.677	O. i ppiii
Note: Once diluted for u	se, the materia	al is no longer	100-100-100	A CONTRACTOR
	or, end indept to	ar is no ronger		
considered hazardo	us.		100	
SECTION III - PHYSICAL DATA				
Boiling Point (*F)		Specific Gravity (H <sub>2</sub> O = 1)		The state of
	N/A			N/A
Vapor Pressure (mm Hg.)		Percent Volatile by Volume (%)		
W	N/A		48	N/A
Vapor Density (AIR = 1)		Evaporation Rate		
Solubility in Water	N/A	= 1)		N/A
			and the same of th	mandral attings.
Appearance and Odor			und in the second s	the second secon
Dark reddish-brown	liquid strong	, lodine odor		
SECTION IV - FIRE AND EXPLOSION HA	AZARD DATA	1 TOUTHE OGO!		
Flash Point (Method Used) N/A		Flammable Limits Lel	Uel	President Commence
Extinguishing Media N/A		The state of the s		
Special Fire Fighting Procedures				
N/A				
들다면 하는데 보고 하는데 보다				
Inusual Fire and Explosion Hazards				- /
N/A		•		
			- 4	
SECTION V - LISTED IN				
NTP IARC Other				
DSHA N/A				
	- 100 to make the second			
Preparation: AUG 1985				
	AND AREA STATE OF THE PARTY OF			

Swallowing iodine may cau Death may result.   todine is a severe irrita the skin    Imergency First Aid Procedures   POISON:	ling limit (unknown-man)  se burning in mouth, vomiting, abdominal pain, a  nt of the eyes, respiratory tract, and to a less  wed, induce vomiting immediately by giving two g  sticking fingers down throat. Never give anyth an unconscious person. f contact, immediately flush eyes and skin with at least 15 minutes while removing contaminated Call a Physician, Wash clothing before reuse y clean shoes before reuse.	lasses of ing by
Effects of Overexposure  Swallowing iodine may cau Death may result. Iodine is a severe irritathe skin  Emergency First Aid Procedures  POISON:  Gall a Physician  Primary Routes of Entry Ingestion, contaction water and mouth to in case of water for and shoes. Thorough!  Primary Routes of Entry Ingestion, contactions of Entry Ingestion, contaction of Entry Ingestion, contaction of Entry Ingestion, contaction of Entry Ingestion, contaction of Entry Ingestion, contactions of Entry Ingestion, contactions of Entry Ingestion, contactions Ingestion, cont	(unknown-man)  se burning in mouth, vomiting, abdominal pain, a  nt of the eyes, respiratory tract, and to a less  wed, induce vomiting immediately by giving two g  sticking fingers down throat. Never give anyth an unconscious person.  if contact, immediately flush eyes and skin with at least 15 minutes while removing contaminated . Call a Physician, Wash clothing before reuse y clean shoes before reuse.	lasses of ing by
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POISON:  Gall a Physician  Primary Routes of Entry  Ingestion, contact water for and shoes Thorough!  Primary Routes of Entry  Ingestion, contact water for and shoes Thorough!  Primary Routes of Entry  Ingestion, contact water for and shoes Thorough!  Primary Routes of Entry  Ingestion, contact water water water for and shoes Thorough!  Primary Routes of Entry  Ingestion, contact water w	sticking fingers down throat. Never give anyth an unconscious person.  If contact, immediately flush eyes and skin with at least 15 minutes while removing contaminated. Call a Physician. Wash clothing before reuse y clean shoes before reuse.	ing by plenty of clothing
Call a Physician  Water and mouth to in case of water for and shoes. Thorough?  Primary Routes of Entry  Ingestion, contact SECTION VIII - REACTIVITY DATA  Stability  Unstable Stable X  Incompatability (Materials to Avoid)  Ammonia, powdered aluminum, an Hazardous Decomposition Products  N/A  Hazardous Polymerization Will Not Occur X  SECTION VIII - SPILL OR LEAK PROCED  Steps to be Taken in Case Material is Released or Spill  Small spill: Wipe up with a d  Large spill: Absorb liquid in of as below. Tre  Waste Disposal Method  I odine may be disposed of in Section in Case In	sticking fingers down throat. Never give anyth an unconscious person.  If contact, immediately flush eyes and skin with at least 15 minutes while removing contaminated. Call a Physician. Wash clothing before reuse y clean shoes before reuse.	ing by plenty of clothing
Primary Routes of Entry  Ingestion, contact SECTION VIII - REACTIVITY DATA Stability  Incompatability (Materials to Avoid)  Ammonia, powdered aluminum, and Hazardous Decomposition Products  N/A  Hazardous May Occur Conditions  Will Not Occur X  SECTION VIII - SPILL OR LEAK PROCED  Steps to be Taken in Case Material is Released or Spill  Small spill: Wipe up with a d  Large spill: Absorb liquid in of as below. Tre  Vaste Disposal Method  Iodine may be disposed of in Sill  SECTION IX - SPECIAL PROTECTION INF  Respiratory Protection (Specify Type) For large of the spiratory Protective Equipment N/A	t to Avoid	
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Adapted Disposal Method    Conditions   N/A		
Hazardous Polymerization Will Not Occur X  SECTION VIII - SPILL OR LEAK PROCED Steps to be Taken in Case Material is Released or Spill Small spill: Wipe up with a d Large spill: Absorb liquid in of as below. Tre  Vaste Disposal Method  I od ine may be disposed of in Sile Section IX - SPECIAL PROTECTION INFORMATION (Specify Type) For large entilation Local Exhaust N/A Mechanical (General) Yes  Totective Gloves Rubber ther Protective Equipment N/A	d other reactive metals may cause fires and explo	oslons
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SECTION VIII - SPILL OR LEAK PROCED Steps to be Taken in Case Material is Released or Spil Small spill: Wipe up with a d Large spill: Absorb liquid in of as below. Tre  Vaste Disposal Method  Iodine may be disposed of in Sil SECTION IX - SPECIAL PROTECTION INF espiratory Protection (Specify Type) For large entilation Local Exhaust N/A Mechanical (General) Yes rotective Gloves Rubber ther Protective Equipment N/A	to Avoid	
Steps to be Taken in Case Material is Released or Spil Small spill: Wipe up with a d Large spill: Absorb liquid in of as below. Tre  Vaste Disposal Method  I od ine may be disposed of in Silver Protection (Specify Type) For large entilation  Local Exhaust N/A Mechanical (General) Yes rotective Gloves Rubber ther Protective Equipment N/A	N/A	
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SECTION IX - SPECIAL PROTECTION INF despiratory Protection (Specify Type) For large entilation Local Exhaust N/A Mechanical (General) Yes rotective Gloves Rubber other Protective Equipment N/A	amp sponge, flush down drain with plenty of water vermiculite, dry sand or similar material and diat remaining material as per small spill.	
SECTION IX - SPECIAL PROTECTION INF Respiratory Protection (Specify Type) For large Ventilation Local Exhaust N/A Mechanical (General) Yes Protective Gloves Rubber Other Protective Equipment N/A		Tay Makes Town
Respiratory Protection (Specify Type)	ealed containers in a secured, sanitary landfill.	
Ventilation  Local Exhaust N/A  Mechanical (General) Yes  Protective Gloves Rubber  Other Protective Equipment N/A		
Mechanical (General) Yes rotective Gloves Rubber Other Protective Equipment N/A	e spills - air-supplied mask	å v
rotective Gloves Rubber Wher Protective Equipment N/A	Special	
ther Protective Equipment N/A	Other	
	Eye Protection Goggles	
ECTION X - SPECIAL PRECAUTIONS		
recautions to be Taken in Handling and Storing		
일시되어 그 그 일대에 가득하는 것으로 그들을 하는 내가 하는데 있는 생일이 아이지는 어린다는데 이번 어디로 했다. 선택하는 경험에 되는데 그는데 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그	be worn while working with iodine or iodine solu	itions.
Other Precautions		